

WHAT IS CLAIMED IS:

1. A both-side recording apparatus constructed so that a first sheet passing path for guiding a recording medium conveyed from an automatic sheet supplying section, and a second sheet passing path for guiding the recording medium conveyed to an automatic reversing section and conveyed from the automatic reversing section share a part of them with each other,
 - 10 wherein a guide member being said shared part of the sheet passing paths is capable of taking a first position of the first sheet passing path and a second position for the second sheet passing path.
2. The both-side recording apparatus according to claim 1, wherein said guide member is adjacent to a sheet feeding roller, a pinch roller capable of opposingly contacting said sheet feeding roller with pressure and separating from said sheet feeding roller is placed at said sheet feeding roller, and said guide member moves in synchronism with a timing of the contact with pressure or the separation of said pinch roller.
3. The both-side recording apparatus according to claim 2, wherein said guide member is biased with an elastic member to the first position, and is moved

to the second position in synchronism with movement from the contact with pressure to the separation of said pinch roller when both-side recording is carried out.

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4. The both-side recording apparatus according to claim 2, wherein said guide member is always biased to the second position, and is capable of moving to the first position in synchronism with movement from the separation to the contact with pressure of said pinch roller when the recording medium is conveyed from the automatic sheet supplying section.

15 5. The both-side recording apparatus according to claim 2, wherein said both-side recording apparatus is capable of taking a first state in which said pinch roller is in contact with said sheet feeding roller with pressure and said guide member is in the first position, a second state in which said pinch roller is separated from said sheet feeding roller and said guide member is in the second position, and a third state in which said pinch roller is in contact with said sheet feeding roller with pressure and said guide member is in the second position.

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6. The both-side recording apparatus according to claim 5, wherein a space between recording means and the recording medium is variable in synchronism with said first state or said second state or said
5 third state.

7. The both-side recording apparatus according to claim 5, wherein pressure which brings said pinch roller into contact with said sheet feeding roller
10 with pressure is variable in synchronism with said first state or said second state or said third state.

8. The both-side recording apparatus according to claim 5, wherein a detecting lever for detecting
15 presence or absence of the recording medium is brought into a retreated or a detectable state in synchronism with said first state or said second state or said third state.

20 9. A both-side recording apparatus having a guide member for guiding a tip end of a recording medium to a nip portion of a sheet feeding roller wherein a first sheet passing path for guiding the recording medium conveyed from an automatic sheet
25 supplying section and a second sheet passing path for guiding the recording medium conveyed to an automatic reversing section and conveyed from the automatic

reversing section share a part of them,

wherein said guide member is capable of taking
a first position for the first sheet passing path and
a second position for the second sheet passing path,
5 said guide member takes the second position when the
recording medium is conveyed from the sheet feeding
roller to the automatic reversing section, and moves
to the first position from the second position, after
the recording medium passes through the guide member
10 before the recording medium is nipped by the sheet
feeding roller again from the automatic reversing
section.

10. A both-side recording apparatus for
15 performing recording onto a recording medium in a
recording section, comprising:

feeding means for feeding the recording medium;

a conveying roller for conveying the recording
medium to said recording section;

20 a pinch roller for nipping the recording medium
in cooperation with said conveying roller;

a reversing section for reversing a front and a
back of the recording medium conveyed in an opposite
direction from the recording section by said
25 conveying roller; and

a guide member capable of moving to a first
position and a second position, located in the first

position to guide the recording medium conveyed from
said feeding means or said reversing section to a nip
of said conveying roller and said pinch roller, and
located in the second position to guide the recording
5 medium conveyed in the opposite direction from the
recording section by said conveying roller to said
reversing section,

wherein a tip end of the recording medium fed
from said feeding means or said reversing section
10 abuts to the nip of said conveying roller and said
pinch roller and is subjected to oblique motion
correction, and thereafter, is conveyed to said
recording section by said conveying roller.

15 11. The both-side recording apparatus according
to claim 10, wherein a first conveying path for
guiding the recording medium to said conveying roller
from said feeding means is placed above a second
conveying path for guiding the recording medium to
20 said reversing section from said conveying roller.

12. The both-side recording apparatus according
to claim 11, wherein said pinch roller contacts said
conveying roller at a position of said conveying
25 roller deviated to the recording section.

13. The both-side recording apparatus according

to claim 12, wherein said first position is higher than the second position.

14. The both-side recording apparatus according
5 to claim 13, wherein said guide member located in the first position guides said recording medium to said nip from the position higher than the nip of said conveying roller and said pinch roller.

10 15. The both-side recording apparatus according to claim 14, wherein a guide surface of said guide member for the recording medium is a convex shape in which an end portion at an upstream side and an end portion at a downstream side are low.

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16. A both-side recording apparatus for performing recording onto a recording medium in a recording section, comprising:

feeding means for feeding the recording medium;
20 a conveying roller for conveying the recording medium to said recording section;

a pinch roller for nipping the recording medium in cooperation with said conveying roller;

a reversing section for reversing a front and a
25 back of the recording medium conveyed in an opposite direction from the recording section by said conveying roller; and

a guide member capable of moving to a first position and a second position, located in the first position to guide the recording medium conveyed from said feeding means or said reversing section to a nip
5 of said conveying roller and said pinch roller, and located in the second position to guide the recording medium conveyed in the opposite direction from the recording section by said conveying roller to said reversing section,
10 wherein a tip end of the recording medium fed from said feeding means or said reversing section abuts to the nip of said conveying roller and said pinch roller and is subjected to oblique motion correction, and thereafter, is conveyed to said
15 recording section by said conveying roller, and wherein when said guide member guides the recording medium fed from said reversing section to the nip of said conveying roller and said pinch roller, said guide member is located in the first
20 position when the recording medium is thin, and said guide member is located in the second position when the recording medium is thick.

17. The both-side recording apparatus according
25 to claim 16, wherein a first conveying path for guiding the recording medium to said conveying roller from said feeding means is disposed above a second

conveying path for guiding the recording medium to
said reversing section from said conveying roller.

18. The both-side recording apparatus according
5 to claim 17, wherein said pinch roller contacts said
conveying roller at a position of said conveying
roller deviated to the recording section.

19. The both-side recording apparatus according
10 to claim 18, wherein said first position is higher
than said second position.

20. The both-side recording apparatus according
to claim 19, wherein said guide member located in the
15 first position guides said recording medium to said
nip from a higher position than the nip of said
conveying roller and said pinch roller.

21. The both-side recording apparatus according
20 to claim 20, wherein a guide surface of said guide
member for the recording medium is a convex shape in
which an end portion at an upstream side and an end
portion at a downstream side are low.